Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/03/2017 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124370	-1	1.85	124268	1.86
Blue	F	SSC	125000	123055	-2	2.55	123477	2.37
Blue	E	FITC	22946	22256	-4	2.48	984	9.98
Blue	D	PE	28770	28147	-3	2.14	1006	9.36
Blue	B	PerCP-Cy5-5	51099	49586	-3	3.34	1421	16.58
Blue	A	PE-Cy7	42312	41540	-2	5.06	646	35.24
Red	C	APC	52169	51295	-2	2.81	2967	9.48
Red	A	APC-Cy7	56705	55312	-3	2.76	1156	11.20
Violet	B	V450	14708	14138	-4	5.69	674	9.64
Violet	A	V500	58608	57256	-3	5.52	2526	7.35

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19580	6.27	601	3	N/A	N/A	Pass
Blue	F	SSC	61198	1.65	532	14	N/A	N/A	Pass
Blue	E	FITC	112	36.63	537	6	0.0220	97	Pass
Blue	D	PE	221	27.52	533	7	0.1778	231	Pass
Blue	B	PerCP-Cy5-5	226	44.22	631	9	0.0106	121	Pass
Blue	A	PE-Cy7	71	118.06	681	10	0.0120	17	Pass
Red	C	APC	346	28.08	595	5	0.0203	93	Pass
Red	A	APC-Cy7	127	41.41	580	4	0.0056	1978	Pass
Violet	B	V450	81	43.04	466	7	0.0542	2412	Pass
Violet	A	V500	184	22.59	495	7	0.0168	672	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/03/2017 11:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.84	-30.52	0.88
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	15.42	13.27 - 19.91	N/A	N/A	31.07	31.19	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 11438

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments